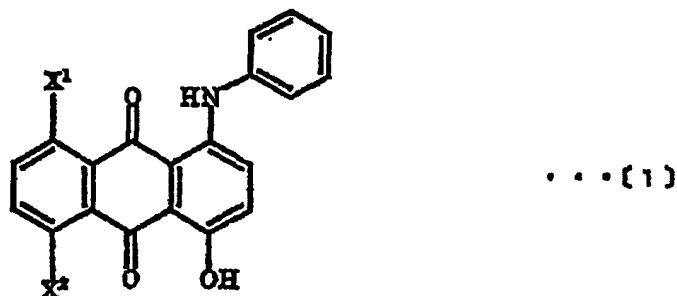
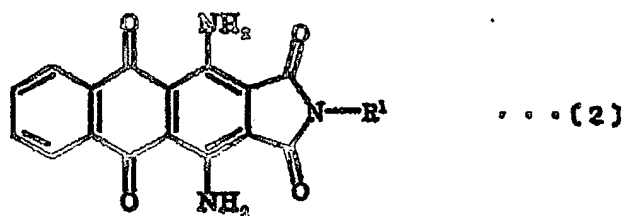


Claims

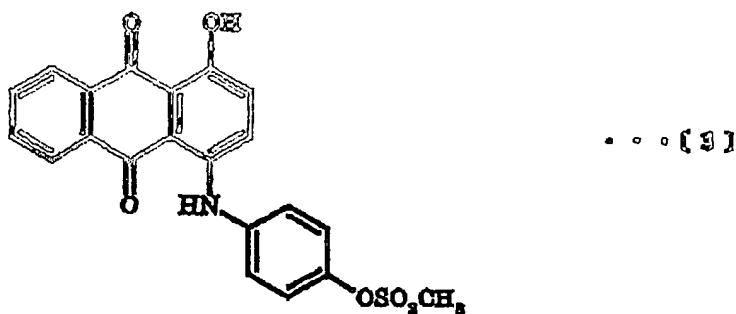
1. A blue colored dye mixture which contains from 10 to 60 wt% with respect
 5 to the total pigment fraction of a blue pigment which is a mixture of the two
 isomers which can be represented by structural formula [1]



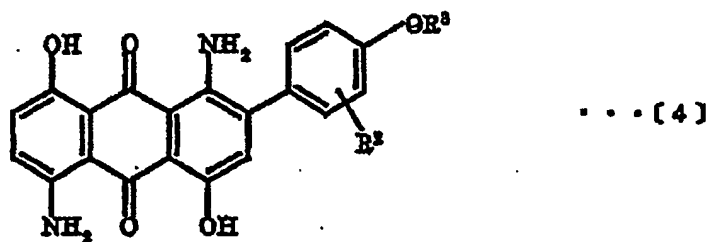
- wherein one of X¹ and X² represents NO₂ and the other represents OH,
 from 60 to 10 wt% with respect to the total pigment fraction of a blue pigment
 10 which can be represented by structural formula [2]



- wherein R¹ represents -C₃H₆OCH₃, -C₃H₆OC₂H₅ or -C₃H₆OC₂H₄OCH₃,
 from 10 to 30 wt% with respect to the total pigment fraction of the blue
 pigment which can be represented by structural formula [3]

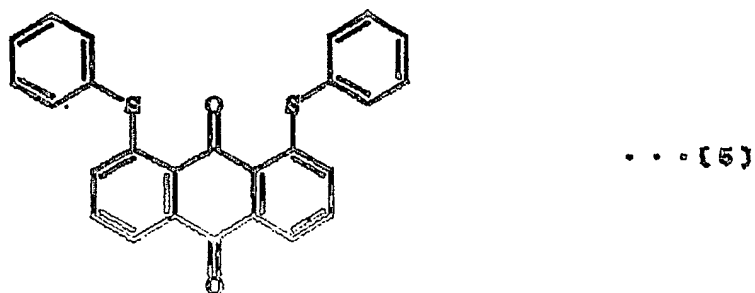


and from 20 to 0 wt% with respect to the total pigment fraction of a blue pigment which can be represented by structural formula [4]

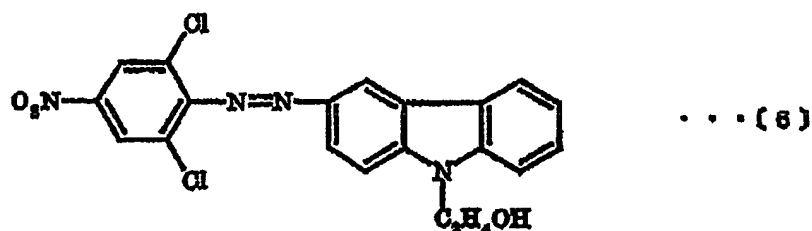


- 5 wherein R^2 represents a hydrogen atom or a C_1 or C_2 alkyl group, and R^3 represents a hydrogen atom, a C_1 or C_2 alkyl group or a C_1 or C_2 alkoxy C_1 or C_2 alkyl group.

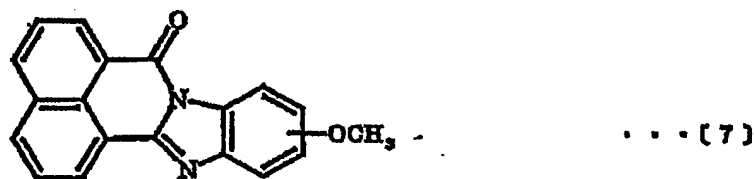
2. A dye composition in which, in a blue dye mixture according to claim 1, there
 10 is compounded a yellow dye mixture and/or a red dye mixture,
 wherein
 the yellow dye mixture contains from 25 to 75 wt% with respect to the whole pigment fraction of the yellow pigment which can be represented by structural formula [5]



- 15 from 60 to 20 wt% with respect to the whole pigment fraction of the yellow pigment which can be represented by structural formula [6]

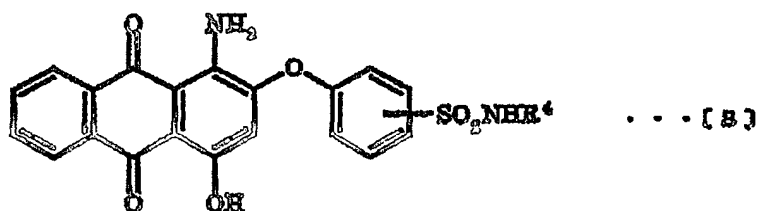


and from 15 to 5 wt% with respect to the whole pigment fraction of the yellow pigment which can be represented by structural formula [7]

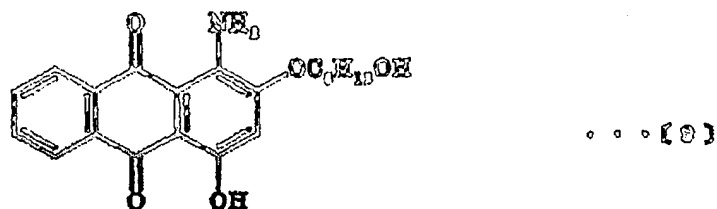


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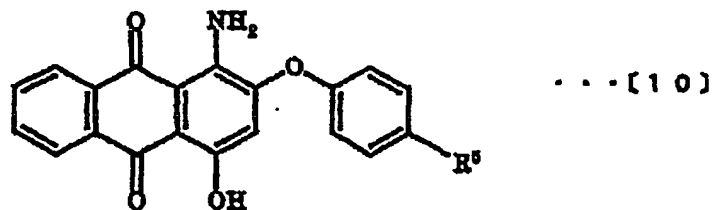
and the red dye mixture contains from 30 to 60 wt% with respect to the whole pigment fraction of a red pigment which can be represented by structural formula [8]



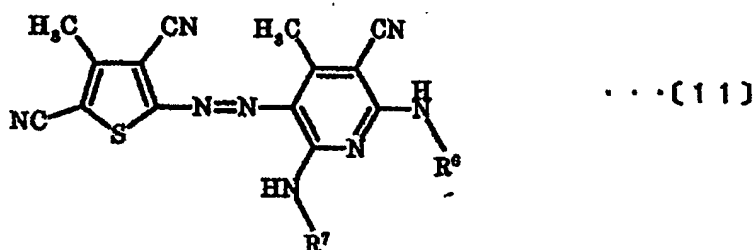
10 wherein R⁴ represents a C₁ to C₃ alkoxy C₁ to C₃ alkyl group,
from 70 to 20 wt% with respect to the whole pigment fraction of the red pigment which can be represented by the structural formula [9]



15 and from 0 to 20 wt% with respect to the whole pigment fraction of a red pigment which can be represented by structural formula [10]



wherein R⁵ represents a hydrogen atom, a chlorine atom or a bromine atom,
or [11]



5

wherein one of R⁶ and R⁷ is a hydrogen atom and the other is
hydroxyethoxyethyl, hydroxybutoxypropyl, acetoxyethoxyethyl or acetoxy-
butoxypropyl.

10

3. A method of dyeing polyester-based fibers in which a blue dye mixture as
disclosed in claim 1 or a dye composition as disclosed in claim 2 is used.

4. A dyed polyester-based fiber material which has been dyed using a blue dye
mixture as disclosed in claim 1 or a dye composition as disclosed in claim 2.

15

5. A method of dyeing polyester-based fibers according to claim 3 in which the
polyester-based fibers are mixed fibers of different fineness

6. A dyed polyester-based fiber material according to claim 4 in which the
polyester-based fibers are mixed fibers of different fineness.

20

7. A method of dyeing polyester-based fibers according to claim 3 in which the polyester-based fibers are mixed fibers comprising polyester-based fibers which can be dyed with a cationic dye and regular polyester-based fibers.
- 5 8. A dyed polyester-based fiber material according to claim 4 in which the polyester-based fibers are mixed fibers comprising polyester-based fibers which can be dyed with a cationic dye and regular polyester-based fibers.